Analysis report PSL14108-1

Spectral Service



Laboratorium für Auftragsanalytik GmbH

Spectral Service GmbH Post box 301186

PerSapiens Ltd. Mr. Gai Ben-Dror

P.O. Box 6

Migdal HaEmeq, 23106

Israel

Accelerated Conditions

Phone: +49/(0)221/541471 Fax: +49/(0)221/541921 eMail:Info@spectralservice.de http://www.spectralservice.de

PS-Improved version (Supplier A)

T=0

Analysis method: quantitative 31P-NMR spectroscopy according to SAA043

Instrument: Bruker Avance 300 MHz with autom, sample changer and BBI probe head

Internal standard: Triphenyl phosphate

Content [%]: 99,9

MW [g/mol]:

326,29

Initial weight test item [mg]: 1099,26

Initial weight Internal Standard [mg]:

18,41

Lab.-No:

Spectral Service Code: PSL14108-1

Sample ident.: D-start, Ch.-B.: 24/8/04

Results from: 26.08.2004

Phospholipid	Weight-%	Mol-%	MW [g/mol]
PC	5,49	14,37	770,0
1-LPC	·*)	*)	515,0
2-LPC	0,99	3,86	515,0
Pi	3,01	7,26	835,0
LPI	*)	*)	570,0
PS	17,66	44,68	797,2
LPS	0,28	1,10	517,0
SPH	*)	*)	770,0
PE	3,67	10,20	725,0
LPE	80,0	0,36	470,0
APE	1,45	2,96	990,0
PG	0,14	0,36	758,0
DPG	0,33	0,98	682,5
PA	3,91	11,52	685,0
LPA	0,25	1,16	430,0
Other	0,45	1,18	770,0
Sum	37,71	100,00	
Phosphorus	1,54	7 7 7 1	

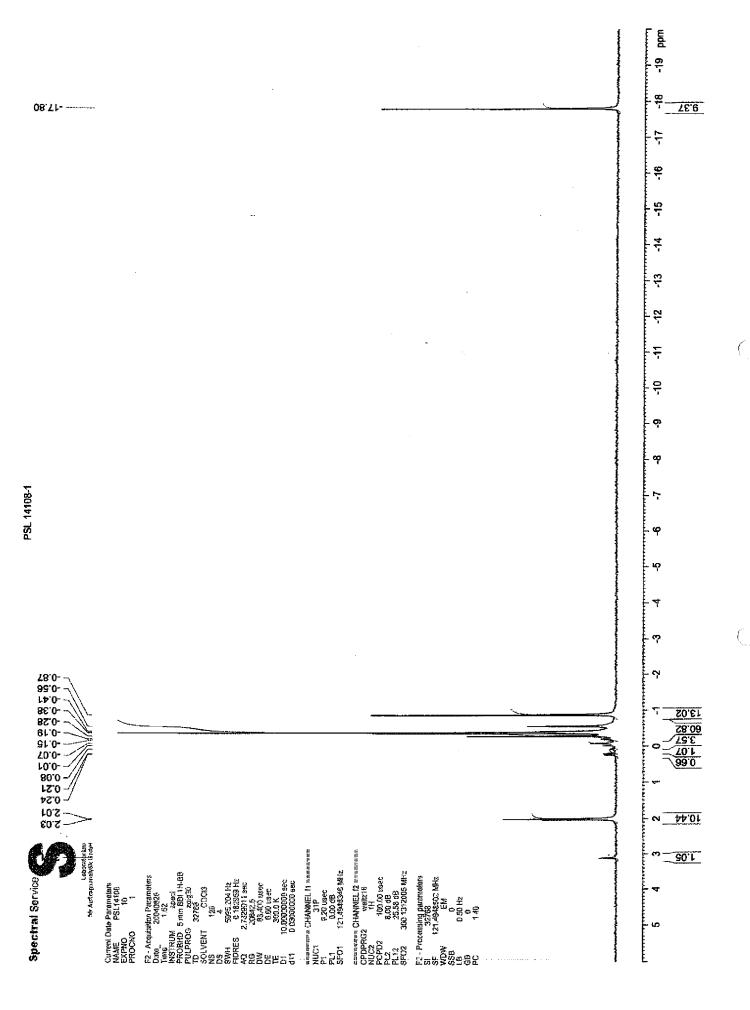
Cologne, 26. August 2004

*) = not observed, no signal assignment or < 0,02% Limit of detection (S/N 10:1 Peak/Peak) = 0,5%

Thorsten Buchen (Food chemist)

Spectral Service GmbH Vogelsanger Str. 250 D-50825 Köln-Ehrenfeld Geschäftsführer: Dr. Bernd Diehl Dr. Werner Ockels

Gesellschaftssitz: Köln HRB 20416 Gerichtsstand Köln Dresdner Bank Brühl Konto 3 888 198 BLZ 370 800 40



Analysis report ENZ14370-10

Spectral Service



Laboratorium für Auftragsanalytik GmbH

Spectral Service GmbH Post box 301188

Enzymotec Ltd.

Mrs. Neta Scheinman

Hataasia 5 st.

Migdal HaEmeq 23106

Israel

Accelerated Conditions

Phone: +49/(0)221/541471 Fax: +49/(0)221/541921 eMail:Info@spectralservice.de

http://www.spectralservice.de

amonthe

PS-Improved version (Supplier A)
Analysis method: quantitative 31P-NMR spectroscopy according to SAA043 Instrument: Bruker Avance 300 MHz with autom, sample changer and BBI probe head

Internal standard: Triphenyl phosphate

Content [%]: 99,9

MW [g/mol]:

326,29

Initial weight test item [mg]: 1112,36

Initial weight Internal Standard [mg]:

10,30

Sample ident.: D-35°C 12/10/04

Lab.-No:

Spectral Service Code: ENZ14370-10

Results from: 19.10.2004

Phospholipid	Weight-%	Mol-%	MW [g/mol]
PÇ	5,30	13,63	770,0
1-LPC	····*)	*)	515,0
2-LPC	0,95	3,66	515,0
PI	3,13	7,43	835,0
LPI	~~*)	*)	570,0
PS	16,08	39,98	797,2
LPS	0,06	0,22	517,0
SPH	*)	*)	770,0
PE	3,69	10,09	725,0
LPE	0,32	1,34	470,0
APE	2,29	4,58	990,0
PG	0,35	0,92	758,0
DPG	0,30	0,87	682,5
PA	4,37	12,63	685,0
LPA	0,42	1,95	430,0
Other	1,04	2,68	770,0
Sum	38,30	100,00	
Phosphorus	1,56		

Cologne, 19. Oktober 2004

*) = not observed, no signal assignment or < 0.02% Limit of detection (S/N 10:1 Peak/Peak) = 0,5%

Thorsten Buchen

(Food chemist) Spectral Service GmbH

Vogelsanger Str. 250

D-50825 Köln-Ehrenfeld

Geschäftsführen Dr. Bernd Diehl Dr. Wemer Ockels Gesellschaftssitz: Köln HRB 20416 Gerichtsstand Köln Dresdner Bank Brühi Konto 3 888 198 BLZ 370 800 40